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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/574,936	02/23/2007	Paul John McGuiness	31583-229742	5556
26694 VENABLE LL	7590 09/06/200 P	7	EXAMINER	
P.O. BOX 34385 WASHINGTON, DC 20043-9998				, REENA
WASHINGTO	N, DC 20043-9998		ART UNIT	PAPER NUMBER
			2862	
			MAIL DATE	DELIVERY MODE
			09/06/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)	
	10/574,936	MCGUINESS ET AL.	
Office Action Summary	Examiner	Art Unit	
	Reena Aurora	2862	
The MAILING DATE of this communication ap Period for Reply	opears on the cover sheet wit	the correspondence address	••
A SHORTENED STATUTORY PERIOD FOR REP WHICHEVER IS LONGER, FROM THE MAILING I - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statu Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNIC .136(a). In no event, however, may a re d will apply and will expire SIX (6) MONT tte, cause the application to become ABA	ATION. bly be timely filed HS from the mailing date of this communic, NDONED (35 U.S.C. § 133).	·
Status	•	,	
1) Responsive to communication(s) filed on			
	is action is non-final.		
3)⊠ Since this application is in condition for allow		rs, prosecution as to the merit	ts is
closed in accordance with the practice under	•	• •	
Disposition of Claims		•	
4)⊠ Claim(s) <u>1 - 10</u> is/are pending in the applicati	on.		
4a) Of the above claim(s) is/are withdra			
5) Claim(s) is/are allowed.			
6) Claim(s) is/are rejected.			
7)⊠ Claim(s) <u>1 - 10</u> is/are objected to.			
8) Claim(s) are subject to restriction and/	or election requirement.		
Application Papers	·		
9) The specification is objected to by the Examin	ner.		
10) \boxtimes The drawing(s) filed on <u>04/07/06</u> is/are: a) \boxtimes		by the Examiner.	
Applicant may not request that any objection to the	e drawing(s) be held in abeyand	e. See 37 CFR 1.85(a).	
Replacement drawing sheet(s) including the corre	ection is required if the drawing(s	i) is objected to. See 37 CFR 1.12	21(d).
11) The oath or declaration is objected to by the E	Examiner. Note the attached	Office Action or form PTO-152	2.
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreig a) All b) Some * c) None of:	n priority under 35 U.S.C. §	119(a)-(d) or (f).	
1. Certified copies of the priority documer	nts have been received.		
2. Certified copies of the priority documer		plication No	
3. Copies of the certified copies of the pri	ority documents have been r	eceived in this National Stage	;
application from the International Bure	au (PCT Rule 17.2(a)).		
* See the attached detailed Office action for a list	st of the certified copies not r	eceived.	
	·		
Attachment(s)			
1) Notice of References Cited (PTO-892)	4) Interview St	ımmary (PTO-413)	
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)	/Mail Date	
 Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date <u>4/7/06, 7/7/06</u>. 	6) Other:	ormal Patent Application	

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DETAILED ACTION

This application is in condition for allowance except for the following formal matters:

Claim Objections

Claim 1 is objected to because of the following informalities: line 4, the phrase "the placement" lacks antecedent basis. Appropriate correction is required.

Claim 3 is objected to because of the following informalities: line 5, the phrase "the two field coil elements" lacks antecedent basis. Appropriate correction is required.

Prosecution on the merits is closed in accordance with the practice under Exparte Quayle, 25 USPQ 74, 453 O.G. 213, (Comm'r Pat. 1935).

A shortened statutory period for reply to this action is set to expire **TWO**MONTHS from the mailing date of this letter.

Allowable Subject Matter

Claims 1 - 10 are allowed.

The following is a statement of reasons for the indication of allowable subject matter:

As to claims 1 - 10, the prior art fails to show the pole pieces comprise heater elements for heating the pole pieces to temperatures of at least 450° C, the pole pieces are thermally insulated against the yoke of the electromagnet, and the pole pieces, the search coil and the magnetic field sensor are made of materials which resist said high

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temperatures. These features taken together with the other limitations of the claim renders the claims allowable over prior art.

Prior Art of Record

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Jones et al. (6,201,386) is cited for its disclosure of method and apparatus for determining remanence and coercivity of a high strength rare earth magnets.

Swersey et al. (6,843,106) is cited for its disclosure of a differential permeameter.

Sueda (3,720,870) is cited for its disclosure of an apparatus for detecting the permeability of a non-magnetic medium.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Reena Aurora whose telephone number is 571-272-2263. The examiner can normally be reached on Monday - Friday, 7:00 - 3:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, P. Assouad can be reached on 571-272-2210. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Reena Aurora

REENA AURORA
PRIMARY EXAMINER
TECHNOLOGY CENTER 2800